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Field Service Procedure

Part Number: SP00257
Rev: -
Date: 17 December 2002
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WPU Hard Drive Replacement

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WPU Hard Drive Replacement

Replacement Procedure

This procedure includes instructions for the replacement of the Hard Drive contained in the WPU.

PREREQUISITES: WPU S/N and Gold drive version must be determined before proceeding**.**

1. Remove AC power from the WPU.

   WARNING: Before servicing, ensure that AC power is removed from the WPU. Failure to observe this precaution may cause injury by electrical shock.

   CAUTION: Use ESD precautions when handling any of the electronics assemblies. These assemblies contain static sensitive components.

2. Remove the WPU cover.

3. Locate the hard drive and bracket assembly. Refer to Figure 1.

   CAUTION: Hard Drive assemblies are extremely delicate. Use extreme care when handling these assemblies. Cover hard drive work area with at least a 1 inch thick ESD foam padded work area. Do not place hard drive assembly on any hard surfaces or impact shock damage may occur.

4. Remove the four Phillips head screws that secure the hard drive to the chassis and very carefully remove the assembly.

5. Disconnect the hard drive data and power cable and place the assembly onto a 1-inch thick foam pad.

6. Note the orientation and location of the original drive and remove the four Phillips screws securing the hard drive to the bracket. Record the S/N and discard the original hard drive.

7. Record the new hard drive S/N and assemble it to the bracket by reusing the screws previously removed.

8. Fold the data cable at the original bend points and attach the end header connector to the new hard drive making sure that it is completely engaged. Attach the power cable.

9. Carefully install the bracket and hard drive and secure it to the chassis by reusing the hardware previously removed. Before tightening the screws be certain that no wires or cables are caught between the bracket and the standoffs.

10. Reinstall the WPU cover.

11. Reinstall power to the WPU.

12. Image the WPU according to the Field Procedure for Application of Images part number SAT-DS-IN 0091 using a floppy drive.

Replacement Procedure

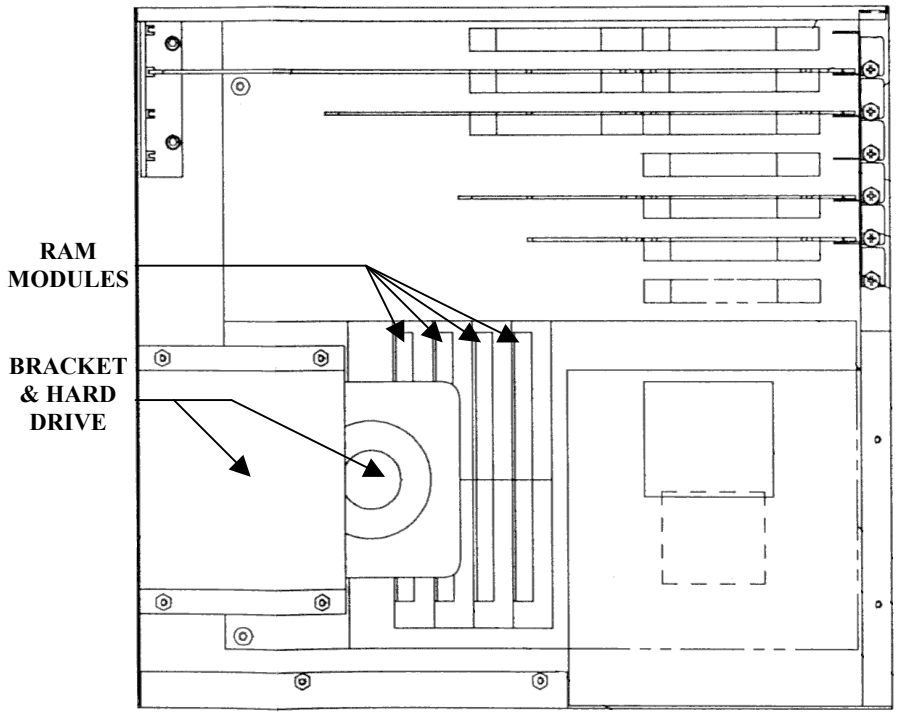

FIGURE 1. WPU Component Location Identification

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